

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

MPP

Date: 16.09.30	Job No.: ENG7105	ADR Yes/No: N	ADR Date:	<b>ECN #: 16- 647</b>
Product No.: D139-1012		Created By: AJS	Approved By:	
Product Name: Cargo Net Installation		Checked By: <i>[Signature]</i>		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)	Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	N	DM		DQA / QA Coord.	Y	PS / ED	
Production Manager / Coord.	Y	MP / MF		QC Coordinator	Y	PD	
Purchasing Manager / Purchasing Coord.	Y	LL / CL		Customer Support	Y	SW / LM	
Production Engineering Coord.	Y	DD / JLM	<i>16.09.30</i>	Customer Technical Support	Y	MB / HS	
Production Engineering Coord.	N	DL		Marketing	N	SL / WR	
Customer Order Processing	N	SL / BG		Dist. Management Coord.	N	HM	

Reason for Change:	Customer Feedback
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Documents Affected:	Release D5256 Rev D, D5289 Rev D, D5366 Rev F & D139-1012-041 Rev C
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IF APPLICABLE:	NCR: _____	PAR: _____	CAR: _____	CIR: _____	URF: <i>16-642</i>
PAPERWORK UPDATE <input type="checkbox"/>		PARTS MUST COMPLY <input checked="" type="checkbox"/>		PREVIOUS PARTS SATISFACTORY <input type="checkbox"/>	

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	ML		<i>16.09.30 MK</i>
6	Update Master Document List (MDL)	N		TO FOLLOW LATER	
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	<del>ML</del>		<i>16.09.30 MK</i>
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		<i>16.09.30</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		<i>16.09.30</i>
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ		<i>16.09.30</i>
18	Create / Update Change Record Form / Item Card Database	Y	KJ	UPDATE D139-1012-011 TO CHG 003	<i>16.09.30</i>
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		<i>16.09.30</i>
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N	<del>ML</del>		
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		<i>16.09.30</i>
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		<i>16.09.30</i>
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)				
25					

Description / Action:	<p>Wait for new ICA/ITN Release</p> <p>wait for feedback from SRA</p> <p>16.10.19</p>
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ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

## Linda Lacelle

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**From:** William Monterroza  
**Sent:** Monday, October 03, 2016 9:17 AM  
**To:** Linda Lacelle; David Shepherd  
**Cc:** Alan Stocker  
**Subject:** RE: Updated Cargo Net Drawings

ERA is supposed to install the cargo net this week on the helicopter we did the test fit on a couple weeks ago. I would suspect to hear back sometime later this week from ERA so I would suggest we wait to hear about this install and if all goes well, we can then get Tulmar to start production.

Will

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**From:** Linda Lacelle  
**Sent:** Monday, October 03, 2016 8:43 AM  
**To:** David Shepherd <dshepherd@dartaero.com>; William Monterroza <wmonterroza@dartaero.com>  
**Cc:** Alan Stocker <astocker@dartaero.com>  
**Subject:** RE: Updated Cargo Net Drawings

Good Morning,  
Can we release the cargo nets in production at Tulmar now??

Thx  
Linda

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**From:** David Shepherd  
**Sent:** Friday, September 30, 2016 2:53 PM  
**To:** William Monterroza <[wmonterroza@dartaero.com](mailto:wmonterroza@dartaero.com)>  
**Cc:** Alan Stocker <[astocker@dartaero.com](mailto:astocker@dartaero.com)>; Linda Lacelle <[llacelle@dartaero.com](mailto:llacelle@dartaero.com)>  
**Subject:** RE: Updated Cargo Net Drawings

Will,

Signed copy of D139-1012-041 Rev C is attached.



## Linda Lacelle

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**From:** Denis Maranda  
**Sent:** Wednesday, October 19, 2016 11:59 AM  
**To:** Linda Lacelle; William Monterroza  
**Subject:** FW: Cargo net - help

Lets' wait to have a go ahead from sales before we do anything else with Tulmar.

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**From:** Steve Ghaleb  
**Sent:** Wednesday, October 19, 2016 11:48 AM  
**To:** Alain Madore <amadore@dartaero.com>; Denis Maranda <dmaranda@dartaero.com>  
**Cc:** William Monterroza <wmonterroza@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>; David Shepherd <dshepherd@dartaero.com>; Jose Miguel Fernandez-Busto <jmiguel@dartaero.com>; Wesley Reid <wreid@dartaero.com>  
**Subject:** RE: Cargo net - help

Alain,

I have sent an e-mail to Chuck as well as left him a message. Will keep on top of this.

Thanks  
Steve

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**From:** Alain Madore  
**Sent:** Friday, October 14, 2016 10:28 AM  
**To:** Denis Maranda <dmaranda@dartaero.com>; Steve Ghaleb <sghaleb@dartaero.com>  
**Cc:** William Monterroza <wmonterroza@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>; David Shepherd <dshepherd@dartaero.com>; Jose Miguel Fernandez-Busto <jmiguel@dartaero.com>; Wesley Reid <wreid@dartaero.com>  
**Subject:** RE: Cargo net - help

Steve,

Wesley is only returning to the office on Oct 24. It would be in his role to ensure proper follow-up here (soon to be the Product Manager's role), but we can't wait for his return at this point. Can you please take the lead in supporting Eng in getting the necessary inputs they need from ERA to close the loop?

Thanks

Alain

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**From:** Denis Maranda  
**Sent:** October 14, 2016 10:01 AM  
**To:** Steve Ghaleb <[sghaleb@dartaero.com](mailto:sghaleb@dartaero.com)>  
**Cc:** Alain Madore <[amadore@dartaero.com](mailto:amadore@dartaero.com)>; William Monterroza <[wmonterroza@dartaero.com](mailto:wmonterroza@dartaero.com)>; Linda Lacelle <[llacelle@dartaero.com](mailto:llacelle@dartaero.com)>  
**Subject:** Cargo net - help

Will has been working hard to get cargo net modifications done but that is a bit stalled right now due to lack of customer feedback.

Will tells me that ERA has yet to provide feedback on the installation of the cargo net and that he has no commitment from ERA regarding flying the net to simulate a real cargo net application.

Don't really want to proceed any further with Tulmar until we have customer feedback. I feel that our customers must fall in love at first sight with this cargo net so that we can have future sales and make a big success out of this product.

Any guidance or suggestion on how to proceed?

Thanks

**Denis Maranda**  
*Director of Operations*

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